

### **Abstract of the Disclosure**

Minimally invasive techniques utilized in bypass grafting are disclosed.

For instance, a method of implanting an end portion of a graft in the body of a patient during a bypass grafting procedure includes the steps of (i) advancing a  
5 medical instrument within a circulatory system of said body, (ii) guiding a distal end of said medical instrument out of said circulatory system through an opening defined in said circulatory system after said medical instrument advancing step, (iii) advancing said end portion of said graft within said medical instrument after said guiding step, and (iv) securing said end portion of said graft to a blood

10 vessel of said circulatory system after said end portion advancing step.